

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 2557-000169/US

First Inventor MIN-HO KIM

Title METHOD AND CIRCUIT FOR UPDATING A TAP COEFFICIENT  
OF A CHANNEL EQUALIZER

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 27]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages 3]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Commissioner for Patents  
Box Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement of Attorney (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☒ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

30593

or ☐ Correspondence address below

30593

(Insert Customer No. or Attach bar code label here)

Name Harness, Dickey & Pierce, P.L.C.

Address P.O. Box 8910

City Reston

State VA

Zip Code 20195

Country United States of America

Telephone 703-668-8000

Fax 703-668-8200

Name (Print/Type)

John A. Castellano

Registration No. (Attorney/Agent)

35,094

Signature

Date

January 16, 2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

011604

13281 U.S. PTO

PTO/SB/17 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL  
for FY 2003**


Patent fees are subject to annual revision.

**Complete if Known**

Application Number	NEW
Filing Date	January 16, 2004
Inventor(s)	MIN-HO KIM, ET AL.
Examiner Name	UNASSIGNED
Group / Art Unit	UNASSIGNED
Attorney Docket No.	2557-000169/US

**TOTAL AMOUNT OF PAYMENT** (\$) 896.00

<b>METHOD OF PAYMENT (check one)</b>				<b>FEE CALCULATION (continued)</b>			
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:				<b>3. ADDITIONAL FEES</b>			
Deposit Account Number: 08-0750				Large Entity Fee (\$)			
Deposit Account Name: Harness, Dickey & Pierce, P.L.C.				Small Entity Fee (\$)			
<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17				Fee Code			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27				Fee Description			
2. <input checked="" type="checkbox"/> Payment Enclosed:				Fee Paid			
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other							
<b>FEE CALCULATION</b>							
1. BASIC FILING FEE							
Large Entity Fee (\$)							
Small Entity Fee (\$)							
Fee Description							
Fee Paid							
1001 770 2001 385 Utility filing fee				770			
1002 340 2002 170 Design filing fee							
1003 530 2003 265 Plant filing fee							
1004 770 2004 385 Reissue filing fee							
1005 160 2005 80 Provisional filing fee							
SUBTOTAL (1)				(\$770)			
2. EXTRA CLAIM FEES							
Total Claims 17 -20 ** = 0				Extra Claims 18 = 0			
Independent Claims 4 -3 ** = 1				Fee from below 86 = 86			
Multiple Dependent				X = 0			
Large Entity Fee (\$)							
Small Entity Fee (\$)							
Fee Description							
1202 18 2202 9 Claims in excess of 20							
1201 86 2201 43 Independent claims in excess of 3							
1203 290 2203 145 Multiple dependent claim, if not paid							
1204 86 2204 43 ** Reissue independent claims over original patent							
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent							
SUBTOTAL (2)				(\$86)			
**or number previously paid, if greater; For Reissues, see above							
				Other fee (specify) _____			
				*Reduced by Basic Filing Fee Paid			
				SUBTOTAL (3) (\$40)			

<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Name (Print/Type)	John A. Castellano	Registration No. Attorney/Agent	35,094
Signature		Telephone	703-668-8000
		Date	January 16, 2004

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.